

COMBINED DECLARATION and POWER OF ATTORNEY
(Utility, Design, National Stage of PCT)

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

This declaration is of the following type:

(Check one applicable item below)

utility patent application
 design patent application
 national stage of PCT patent application

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (*if only one name is listed below*) or an original, first and joint inventor (*if plural names are listed below*) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

TITLE OF INVENTION²

SINGLE MODE PHOTONIC CRYSTAL OPTICAL FIBER

SPECIFICATION IDENTIFICATION

the specification of which:

(complete (a), (b), or (c))

(a) is attached hereto.

(b) was previously filed _____, as United States Patent Application Serial No. _____.

(c) was described and claimed in PCT International Application No. PCT/JP03/15830 filed on December 11, 2003 and as amended under PCT Article § 19 on _____ (*if any*).

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claim(s), as amended by any amendment specifically referred to in the declaration, referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY CLAIM (35 USC § 119(a)-(d))

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))³

(d) [] no such applications have been filed.
(e) [x] such applications have been filed as follows.

Note: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below, and make the priority claim.

PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS ⁴ (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (month, day, year)	PRIORITY CLAIMED UNDER § 119 or § 365
Japan	2002-359871	12/11/2002	[x] YES NO []
PCT	PCT/JP03/15830	12/11/2003	[x] YES NO []
			[] YES NO []
			[] YES NO []

U.S. PRIORITY CLAIM⁵
(35 USC § 120)

I hereby claim the benefit under 35 USC § 120 of any United States application(s) or § 365(c) of any PCT international application designating the United States of America listed below, if any, and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of title 35 USC § 112, I acknowledge duty to disclose information which is material to patentability as defined in title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international application filing date of this application.

UNITED STATES or PCT PARENT APPLICATION NO.	PARENT FILING DATE (month, day, year)	PARENT PATENT NO. (if applicable)

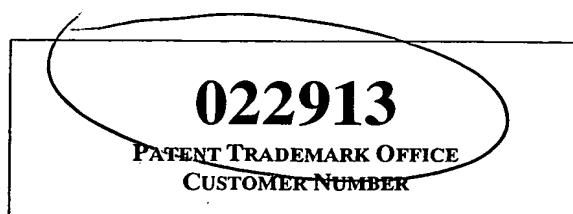
PROVISIONAL APPLICATION CLAIM⁶
(35 USC § 119(e))

I hereby claim the benefit under 35 USC § 119(e) of any United States Provisional application listed below, if any.

United States Provisional Application No.	Date of Filing (month, day, year)

POWER OF ATTORNEY

I hereby appoint as my attorneys and/or patent agents all attorneys and/or patent agents listed under the following Customer Number, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:



All correspondence and telephonic communications should be directed to:

ERIC M. KAMERATH
Registration No. 46,081
Telephone (801) 533-9800
Facsimile (801) 328-1707

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)⁷

NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other documents.

Full name of sole or first inventor

Hirokazu

(GIVEN NAME)

(MIDDLE INITIAL OR NAME)

KUBOTA

FAMILY (OR LAST NAME)

Inventor's signature

Hirokazu k. bota

Date

May 9, 2005

Country of Citizenship

Japan

Residence 4-14-13-2C, Mutsuura, Kanazawa-ku, Yokohama-shi, Kanagawa 236-0031,

Japan

Post Office Address c/o NTT Intellectual Property Center

9-11, Midori-cho 3-chome, Musashino-shi, Tokyo 180-8585, Japan

JX

2nd
Full name of second joint inventor, if any

Satoki (GIVEN NAME) KAWANISHI (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature Satoki Kawanishi

Date May 9, 2005 Country of Citizenship Japan

Residence 2-307, Mutsuura Daini Shataku, 968-12, Mutsuura, Kanazawa-ku, Yokohama-shi, Kanagawa 236-0032, Japan JPK

Post Office Address c/o NTT Intellectual Property Center
9-11, Midori-cho 3-chome, Musashino-shi, Tokyo 180-8585, Japan
[REDACTED]

3rd
Full name of third joint inventor, if any

Kazunori (GIVEN NAME) SUZUKI (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature Kazunori Suzuki

Date May 9, 2005 Country of Citizenship Japan

Residence 3-21-10-310, Koyabe, Yokosuka-shi, Kanagawa 238-0026, Japan JPK

Post Office Address c/o NTT Intellectual Property Center
9-11, Midori-cho 3-chome, Musashino-shi, Tokyo 180-8585, Japan
[REDACTED]

Rec'd. PTO

08 JUN 2005

10/537845

UNITED STATES PATENT
Form P1

¹Attorney Docket No. 14321-77

COMBINED DECLARATION and POWER OF ATTORNEY
(Utility, Design, National Stage of PCT)

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

This declaration is of the following type:

(Check one applicable item below)

utility patent application
 design patent application
 national stage of PCT patent application

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (*if only one name is listed below*) or an original, first and joint inventor (*if plural names are listed below*) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

TITLE OF INVENTION²

SINGLE MODE PHOTONIC CRYSTAL OPTICAL FIBER

SPECIFICATION IDENTIFICATION

the specification of which:

(complete (a), (b), or (c))

(a) is attached hereto.

(b) was previously filed _____, as United States Patent Application Serial No. _____.

(c) was described and claimed in PCT International Application No. PCT/JP03/15830 filed on December 11, 2003 and as amended under PCT Article § 19 on _____ (*if any*).

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claim(s), as amended by any amendment specifically referred to in the declaration, referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY CLAIM (35 USC § 119(a)-(d))

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))³

(d) [] no such applications have been filed.
(e) [x] such applications have been filed as follows.

Note: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below, and make the priority claim.

PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS ⁴ (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (month, day, year)	PRIORITY CLAIMED UNDER § 119 or § 365
Japan	2002-359871	12/11/2002	[x] YES NO []
PCT	PCT/JP03/15830	12/11/2003	[x] YES NO []
			[] YES NO []
			[] YES NO []

U.S. PRIORITY CLAIM⁵
(35 USC § 120)

I hereby claim the benefit under 35 USC § 120 of any United States application(s) or § 365(c) of any PCT international application designating the United States of America listed below, if any, and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of title 35 USC § 112, I acknowledge duty to disclose information which is material to patentability as defined in title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international application filing date of this application.

UNITED STATES or PCT PARENT APPLICATION NO.	PARENT FILING DATE (month, day, year)	PARENT PATENT NO. (if applicable)

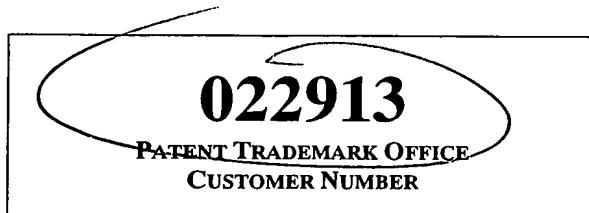
PROVISIONAL APPLICATION CLAIM⁶
(35 USC § 119(e))

I hereby claim the benefit under 35 USC § 119(e) of any United States Provisional application listed below, if any.

United States Provisional Application No.	Date of Filing (month, day, year)

POWER OF ATTORNEY

I hereby appoint as my attorneys and/or patent agents all attorneys and/or patent agents listed under the following Customer Number, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:



All correspondence and telephonic communications should be directed to:

ERIC M. KAMERATH
Registration No. 46,081
Telephone (801) 533-9800
Facsimile (801) 328-1707

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)⁷

4/20
NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other documents.

Full name of fourth joint inventor, if any

<u>Akihito</u> (GIVEN NAME)	<u>(MIDDLE INITIAL OR NAME)</u>	<u>SUZUKI</u> FAMILY (OR LAST NAME)
Inventor's signature <u>akihito</u>	<u>Senjuki</u>	
Date <u>5/2/05</u>	Country of Citizenship	<u>Japan</u>
Residence <u>c/o MITSUBISHI CABLE INDUSTRIES, LTD.</u>		
<u>3, Ikejiri 4-chome, Itami-shi, Hyogo 664-0027, Japan</u>	<u>JPK</u>	
Post Office Address <u>c/o MITSUBISHI CABLE INDUSTRIES, LTD.</u>		
<u>3, Ikejiri 4-chome, Itami-shi, Hyogo 664-0027, Japan</u>		

5/20
Full name of fifth joint inventor, if any

<u>Masatoshi</u> (GIVEN NAME)	<u>(MIDDLE INITIAL OR NAME)</u>	<u>TANAKA</u> FAMILY (OR LAST NAME)
Inventor's signature <u>Masatoshi</u>	<u>Tanaka</u>	
Date <u>5/2/05</u>	Country of Citizenship	<u>Japan</u>
Residence <u>c/o MITSUBISHI CABLE INDUSTRIES, LTD.</u>		
<u>3, Ikejiri 4-chome, Itami-shi, Hyogo 664-0027, Japan</u>	<u>JPK</u>	
Post Office Address <u>c/o MITSUBISHI CABLE INDUSTRIES, LTD.</u>		
<u>3, Ikejiri 4-chome, Itami-shi, Hyogo 664-0027, Japan</u>		

1 Full name of sixth joint inventor, if any

Moriyuki

(GIVEN NAME)

(MIDDLE INITIAL OR NAME)

FUJITA

FAMILY (OR LAST NAME)

Inventor's signature

Moriyuki

Fujita

Date 5/2/05

Country of Citizenship Japan

Residence c/o MITSUBISHI CABLE INDUSTRIES, LTD.

3, Ikejiri 4-chome, Itami-shi, Hyogo 664-0027, Japan

JFK

Post Office Address c/o MITSUBISHI CABLE INDUSTRIES, LTD.

3, Ikejiri 4-chome, Itami-shi, Hyogo 664-0027, Japan